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Summary

The Electronic Power Board of Tennessee installed Aimetis Symphony integrated intelligent video management software to upgrade their current security capabilities from a limited analog DVR system to a fully functional IP solution.

This has led to increased security reliability leading to no security breaches and the elimination of copper theft, improved perimeter and infrastructure monitoring, which has led to a reduction in staffing costs and a reduction of maintenance costs due to the mitigation of problems creating down time.

A non-profit agency for the City of Chattanooga, EPB was established in 1935 for the sole purpose of providing electric power to the people of the greater Chattanooga area. Today it is one of the largest publicly-owned providers of electric power in the United States, serving more than 169,000 residents in a 600 square-mile area.

> **"Aimetis Symphony™ has not only improved our perimeter security, resulting in fewer break-ins and decreased staffing needs, it has led to an elimination of copper theft, providing immediate return on investment."**
>
> *Sharon Russel*
> *System Analysis & Control, SCADA*

Technology & Innovation

- 228 IP Cameras
- 12 Encoders
- Dell Servers & Storage
- Microsoft Active Directory

Challenge

The Electronic Power Board required an open architecture video management solution that was able to integrate with their original investment while offering improved functionality and system reliability. The previous security system did not provide the functionality needed to correctly leverage the camera features. This lack of infrastructure security led to an increasing amount of property trespassing, leading to a significant increase in copper theft.

Solution

After extensive testing and evaluation of several video management solutions, Aimetis Symphony was selected as the software of choice due to robust video analytics and the open architecture system. The system monitoring, analyzing and reporting throughout the entire building, immediately improves security and enhances the management of core operational processes.

As part of the demonstration and testing, GTechnologies, an Aimetis Certified Partner located in Lusby, MD provided a technical briefing on the use of Aimetis Symphony and the power of customized video analytics. This demonstration allowed the end users to 'test-drive' the system and watch as Aimetis Symphony seamlessly integrated with their existing infrastructure.

A range of video analytics have been deployed, including basic and advanced motion tracking, PTZ auto tracking, and video tampering. These provide real-time alerts of suspicious activity but also significantly reduce the amount of time required to find relevant video during the post-investigation of thefts and other criminal activity. One specific requirement was to utilize Aimetis Symphony's virtual fence analytic, which provides highly accurate real-time notification of unauthorized entry or suspicious activity even during the often challenging outdoor weather conditions. The software also associates metadata information with the recorded video to make post-event investigation quick and simple.

"The more that we customize Aimetis Symphony, the more I am confident it was the best security decision we could have made ", says Sharon Russel "The combination of video management and video analytics provided a compelling solution for our Head Office and Aimetis Symphony will continue to add tremendous value at substation projects planned for years to come."